

STUDIES IN THE EUPATORIEAE (ASTERACEAE). CIV.

A NEW GENUS, GONGROSTYLUS.

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The elements of the Ayapana complex in the Andean region northward to Central America include two larger genera, Ayapana and Ayapanopsis, and two very distinctive species belonging in two separate genera, Polyanthina and Gongrostylus. The latter genus is described here for a plant of scandent habit having large club-shaped smooth tips on the style branches and very short truncate anther appendages. The genus shares the distinctive carpopodial structure of other Andean members of the complex, many series of thick-walled cells with the basal series greatly enlarged.

The single species of the genus presents a slight phytogeographical problem. The original collection was credited to Costa Rica but all recent collections have been from Ecuador. Such a distribution is not impossible but needs varification.

Gongrostylus R.M.King & H.Robinson, genus novum, Asteracearum (Eupatorieae). Plantae scandentes pauce ramosae. Caules teretes subglabri. Folia opposita breviter petiolata, laminis ovatis acuminatis base rotundatis valde trinervatis. Inflorescentiae axillares et terminales corymboso-paniculatae, pedicellis tenuibus saepe elongatis. Involucri squamae subimbricatae 3-4-seriatae valde inaequilongae anguste lanceolatae vel lineares; receptacula leniter convexa glabra pustulata. Flores ca. 20 in capitulo; corollae anguste infundibulares, lobis longe triangularibus extus glanduliferis; filamenta antherarum in parte superiore incrassata elongata, cellulis minutis breviter oblongis vel elongatis, parietibus inferme annulate ornatis; appendices antherarum breves duplo latiores quam longiores; styli inferne valde nodulosi dense hirsuti, appendicibus inferne tenuibus leniter mamillosis ad apicem valde late nodulosis laevibus; achaenia prismatica 5-costata glabra; carpopodia magna valde distincta breviter cylindrica, cellulis basilaribus magnis angustatis, superioribus parvis subquadratis multiseriatis, parietibus incrassatis, pappus setiformis uniseriatus, setis

ca. 30 scabris ad apicem vix angustioribus, cellulis apicalibus subacutis.

Species typica: Eupatorium costaricense Kuntze

The genus is monotypic.

Gongrostylus costaricensis (Kuntze) R.M.King & H. Robinson, comb. nov. Eupatorium costaricense Kuntze, Rev. Gen. 337. 1891. Costa Rica, Ecuador.

#### Acknowledgement

This study was supported in part by the National Science Foundation Grant GB 20502 A #1 and A #2 to the senior author.